

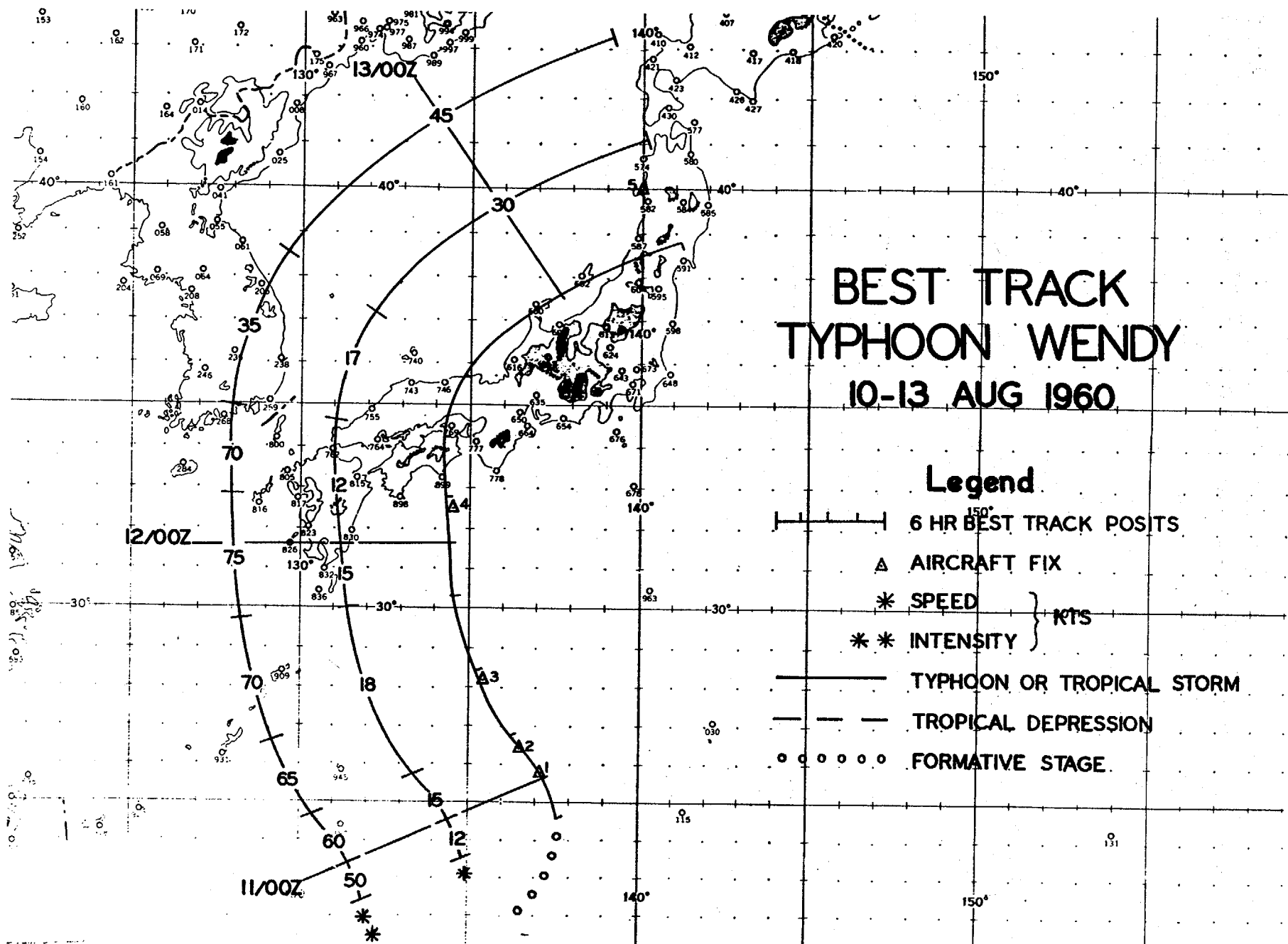
J. TYPHOON WENDY (101800Z-130600Z AUGUST 1960)

Typhoon WENDY might be considered as an offspring of Typhoon VIRGINIA, for at 100600Z the winds near the edge of VIRGINIA's circulation, about 500 mi S of VIRGINIA, did not correspond to the circulation that is expected with a typhoon. The area became suspect and 12 hours later the first warning was issued on T.S. WENDY, located 205 mi W of Iwo Jima, with surface winds of 50 kts. Based on reconnaissance, the 110000Z warning was issued with 65 kt surface winds. Thus WENDY became a typhoon at that time; however, post analysis indicates that WENDY did not have typhoon winds until 110600Z. Typhoon WENDY intensified to 75 kts and moved rapidly to the island of Shikoku, Japan. This typhoon moved inland at 120800Z, just 20 mi E of the point along the coast of Shikoku that VIRGINIA had passed 39 hours before. WENDY remained over land for 10 hours, weakening from 70 to 35 kts at the surface. It again intensified to 45 kts while in the Sea of Japan and then moved inland over northern Honshu at 130300Z. The last warning was issued at 130600Z when it became apparent that WENDY was no longer a hazard.

Examination of the 110000Z charts from the surface through the 200 mb level suggests that Typhoon WENDY was almost under a low circulation at time of development into a typhoon. This implies that divergence was slight or non-existent in the levels near 300 and 200 mb. This cyclonic circulation at 300 and 200 mb did not progress along with WENDY but remained near Iwo Jima. Based on available data, the cyclonic circulation of the typhoon never reached the 300 mb level.

WENDY traveled 1050 mi in 2 and one half days at an average speed of 18 kts or 426 mi per day. The typhoon moved at a minimum speed of 12 kts on 10 August, and a maximum speed of 30 kts on 13 August. WENDY was a typhoon for only 30 hours.

The apparent formation of Typhoon WENDY within the circulation of Typhoon VIRGINIA, under what appeared to be an area of non-divergence, represents an unusual feature of typhoon development.



RECONNAISSANCE AIRCRAFT FIXES - TYPHOON WENDY

FIX NO.	TIME	LAT.	LONG.	UNIT METHOD & ACCY	MIN SLP MBS	MAX SFC WND	MIN 700MB HGT	MAX 700MB WND	700MB TT/Td (°C)	EYE CHARACTERISTICS
1	110030Z	25.8N	137.1E	56-P-08	1000	75	10060 <sup>998</sup>	55	15/07	CIRC DIA 40 MI OPEN NW
2	110400Z	26.4N	136.5E	56-P-08	986	65	10030 <sup>997</sup>	50	14/09	CIRC DIA 30 MI
3	111008Z	28.1N	135.3E	315-P-02	- -	70	9960 <sup>994</sup>	- -	16/--	CIRC DIA 40 MI POORLY DEFINED
4	120310Z	32.3N	134.3E	VW1-R---	- -	- -	- - -	- -	- - -	- - - - -
5	120800Z	40.0N	140.0E	315-R---	- -	- -	- - -	- -	- - -	NO CLOSED CIRCULATION

TYPHOON WENDY 10-13 AUGUST 1960  
POSITION AND FORECAST VERIFICATION DATA

DTG	STORM POSITION		24 HR. ERROR	48 HR. ERROR
	LAT.	LONG.	DEG. DISTANCE	DEG. DISTANCE
101800Z	24.6N	137.6E	- - - -	- - - -
110000Z	25.7N	137.2E	- - - -	- - - -
110600Z	26.8N	136.2E	- - - -	- - - -
111200Z	28.4N	135.1E	- - - -	- - - -
111800Z	30.3N	134.5E	145-265	- - - -
120000Z	31.7N	134.4E	175-228	- - - -
120600Z	32.8N	134.2E	210-214	- - - -
121200Z	34.1N	134.1E	214-253	- - - -
121800Z	35.7N	134.9E	- - - -	- - - -
130000Z	37.6N	137.7E	- - - -	- - - -
130600Z	38.9N	141.1E	- - - -	- - - -

AVERAGE 24 HOUR ERROR 240 MI

